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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 018901-0178

Applicant: Noriaki TAKAKURA

Title: PROCESS SCHEDULER WITHOUT LONG OVERHEAD
AND LARGE MEMORY AND SCHEDULING METHOD
USED THEREIN

Application No.: 09/691,838

Filing Date: October 18, 2000

Examiner: Tang, K.

Art Unit: 2127

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56 and 37 CFR §1.97**

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Submitted herewith on Form PTO-SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR 1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR 1.97 and 1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a prima facie prior art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The instant Information Disclosure Statement is being filed after the mailing date of a first Office action on the merits, but before the mailing date of a final Office Action or a notice of allowance. Accordingly, a certification or fee is required. A certification is provided below. Also, the instant Information Disclosure Statement is being filed within 30 days from the date that references cited in it were first made known to Applicant or to Applicant's representatives.

CERTIFICATION

The undersigned hereby certifies in accordance with 37 C.F.R. §1.97(e)(1) that each item of information A4 – A8 listed on the Form PTO SB/08 submitted with this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Statement. Items of information A1 and A3 are U.S. patents that are counterparts to item of information A7. Item of information A2 is a U.S. patent that is a counterpart to item of information A8.

RELEVANCE OF EACH DOCUMENT

A translation of a portion of a Japanese Office Action that issued June 22, 2004 with respect to a counterpart Japanese patent application is provided below.

"[Claim 1]
[Reference] 1 or 2

[Remarks]

Reference 1 teaches an invention which controls multiple tasks independently by multiple parallel operation schedulers as shown in Figure 1 instead of the traditional structure shown in Fig. 5 (Traditional Example 1 in this application).

Reference 2 shows in [Figure 2] that the operation system has two schedulers, "16-bit scheduler 32" within 16-bit subsystem and "low level scheduler 34" within 32-bit subsystem, and that each of these schedulers controls applications of respective subsystem.

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[Claim 2]
[Reference] 1 or 2

[Remarks]

It is understood that the inventions cited in References 1 and 2 teach a process switching to tasks or applications that are selected by a scheduler.

[Claims] 3 and 4
[Reference] 1 or 2

[Remarks]

References 1 and 2 teach an invention wherein each scheduler and application are given identifiable unique information so that the OS can manage each scheduler and that schedulers can manage tasks and applications.

[Claims] 5 and 6
[Reference] 1 or 2

[Remarks]

It is known that context of tasks is stored and recovered at the time of switching tasks in a normal multi-task operating system and the inventions of References 1 and 2 are the same.

Record of Prior Art Search Results

[Searched Field] - IPC 7th edition - G06F - 9/46-9/54

[Prior Art]

1. JP 9-54699 (Cited in specification)
2. JP 5-46413
3. JP 6-309290

This Record of Prior Art Search Results does not constitute a reason for rejection."

Applicant's statements regarding the Japanese Office Action are based on a partial translation that Applicant's representative obtained. These statements should in no way be considered as an agreement by Applicant with, or an admission of, what is asserted in the Japanese Office Action.

Applicant respectfully request that the listed documents be considered by the Examiner and formally be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

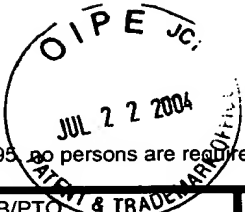
Respectfully submitted,

Date

July 22, 2004

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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: July 22, 2004

(use as many sheets as necessary)

Complete if Known

Application Number	09/691,838
Filing Date	10/18/2000
First Named Inventor	Noriaki TAKAKURA
Group Art Unit	2127
Examiner Name	K. Tang
Attorney Docket Number	018901-0178

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	6,108,683		KAMADA et al.	08/22/2000	
	A2	6,148,325		SCHMIDT et al.	11/14/2000	
	A3	6,668,269		KAMADA et al.	12/23/2003	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A4	JP	63-261433			10/28/1988		X
	A5	JP	5-46413			02/26/1993		X
	A6	JP	6-309290			11/04/1994		X
	A7	JP	9-54699			02/25/1997		X
	A8	JP	9-502558			03/11/1997		X

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.